



Бориско 18  
Енисей 1993.

Konforslikov Vitaliy



Point counts

7/VI. Kiruoge  
80° from village.

(I) 4<sup>22</sup>

- |                                   |
|-----------------------------------|
| <i>Sericornis calliope</i> - 1s   |
| <i>Parses montanus</i> - 1s       |
| <i>Zoothera dauma</i> - 1s        |
| <i>Phyll. borealis</i> - 1s       |
| <i>Aegithus flammeus</i> - 1c (→) |

(II) 4<sup>38</sup>

- |                             |
|-----------------------------|
| <i>Zooth. dauma</i> - 1s    |
| <i>Turdus obscurus</i> - 1s |
| <i>Parses montanus</i> - 2s |
| <i>Phyll. borealis</i> - 1s |

(III) 4<sup>53</sup>

- |  |
|--|
| <i>Phyll. borealis</i> - 2s                      |
| <i>Parses montanus</i> - 1s                      |
| <i>Loxia species</i> - 1c                        |
| <i>Picoides tridactyla</i> - 1hr. <del>(1)</del> |
| <i>Zooth. dauma</i> - 1s                         |
| <i>Circus sauteri</i> - 1s                       |
| <i>Sitta europaea</i> - 1s                       |

(iv) 5<sup>29</sup>

*Phyll. praegeulus* 1♂

{ *Pareas montanus* - 2♂  
*Cerceris saturatus* - 1♂  
*Zodarion alienum* - 1♂  
Numerous species - 1♂  
*Phyll. praegeulus* - 2♂  
*Cerceris caucasus* - 1♂

*Tardius obscurus* - 1♂

(v)

5<sup>25</sup>

~~Pareas montanus~~

{ *Cuculus canorus* - 1♂  
*Acanthis flammea* - 1e (♂)  
*Pareas montanus* - 1♂  
*Phyll. praegeulus* - 1♂  
*Tardius ruficollis* - 1c (♂)  
*Phyll. pro.* - 1♂  
*Cerceris saturatus* - 1♂  
*Pareas montanus* - 1a  
*Tardius ruficollis* - 1♂ (the same)

(vi)

5<sup>44</sup>

*Pareus wout.* - (1♂ + 1♀) ±  
*Astheus ludgesoni* - 1♂  
*Pyphilia* sp. - 1♂ (5cm?)

*Phyll. progeelius* - 1♂  
*Pareus wout.* - 1♂  
*Lexia* sp. - 1♂ (→)  
*Pyphilia* sp. - 2<sup>+</sup>♂  
*Zooth. daunus* - 1♂  
*Cucullus caccarius* - 1♂

(VII) 6<sup>11</sup>

*Pareus montanus* - 1♂

*Tarsiger cyanurus* - 1♂  
*Pareus wout.* - 1♂ + 1♀  
*Astheus godgei* - 1♂  
*Phyll. progeelius* - 1♂  
*Zooth. daunus* - 1♂

(VIII) 6<sup>12</sup>

*Phyll. progeelius* - 1♂  
*Tarsiger cyanurus* - 1♂  
*Zooth. daunus* - 1♂  
*Cucullus caccarius* - 1♂  
*Cerc. saltatorius* - 1♂  
*Tordulus obliquus* - 1♂  
*Phyll. progeelius* - 1♂

(IX) 6<sup>27</sup>  
Phyll. prosp. - 1e

Phyll. pregeclus - 1s  
Zooth. daurica - 1s  
Tordulus obsoletus - 1s  
Tars. cyaneocinctus - 1s  
Cuculus canorus - 1s  
Loc. salicarius - 1s  
Ficedula parva - 1s  
Loxia sp. - 1e  
Muscifraga euryptera - 1e?

(X) 6<sup>42</sup>

Pyg. sp. - 1e  
Parus caeruleus - 2<sup>2</sup>s  
Phyll. prosp. - 1s  
Cuculus canorus - 1s  
Dendrocopos major - 1<sup>2</sup>s  
Fulvirostra zosterops - 1s  
Zooth. daurica - 1s  
Tordulus usnicollis - 1s  
Sitta europaea - 1e  
Acrocephalus flammeus - 1e (→)

- # 881
- (X) 1. o ( moss 95, leave litter 5, grass < 1 )  
 2. o ( m 20, ll 60, g 20 )  
 3. o ( m 80, ll 19, g 1 )  
 4. Picea, 2m ( m 50, ll 49, g 1 )  
 5. Betula, 15m ( m 80, ll 18, g 2 )  
 6. Betula, 9m ( m 45, ll 45, g 10 )  
 7. o ( - - - - - )  
 8. Salix, 4m ( m 48, ll 48, g 4 )  
 9. Betula, 5m ( m 49, ll 49, g 2 )

Canopy : Populus 20      Picea 20  
 Betula 20      Picea sibirica 20  
 Picea sylvestris 20 ( Shy 60 )

- (IX) 1. o ( m 49 = ll, g 2 )  
 2. o ( m 80, Vaccinium 20 )  
 3. Betula, 7 ( m 40 = ll, g 20 )  
 4. Betula, 6 ( m 30, ll 60, g 10 )  
 5. Bet., 3 ( m = ll = g = 33, 3 )  
 6. Picea sibirica, 3 ( g = ll = 40, m 20 )

# 882  
 grass = Equisetum, fir, Vaccinium and other  
 green small plants

- (VII) 7. o (u=ll=48, g4)  
 8. Picea, 2 (u=ll=40, g20)  
 9. Bet, 4 (u=ll=45)

Canopy: Populus, 10 Picea, 30  
 Betula, 30 (Sky 50)  
 Picea sib., 30

- (VIII) 1. o (ll 80, u 25, g5)  
 2. Picea, 2 (g10, u 45 = ll)  
 3. o (u 80, ll 19, g1)  
 4. o (u 85, g5, ll 10)  
 5. Abies, 4 (g20, ll 80)  
 6. o (g 10, u 45 = ll)  
 7. o (g 1, u 10, ll 89)  
 8. Abies, 2 (g5, u = ll = 95/2)  
 9. Bet, 18 (ll 80, g5, & u 15)

Canopy: Picea = Bet = Populus = Abies = Picea sib.  
 = 20 (Sky = 30)

- 1 (VII) 1. o (u 80, ll 18, g2)  
 2. o (ll 60, u 39, g1)  
 3. o (g2, u = ll = 98/2)  
 4. Abies, 4 (u 80, g2, ll 18)  
 5. o (g5, u 50, ll 45)  
 6. Picea, 4 (g10, u = ll = 45)

7.  $\text{Picea}, 5 (g_{20}, u_{10}, ll_{70})$
  8.  $\text{Pinus} \ sib., 3 (g_2, u = ll = 98\frac{1}{2})$
  9.  $o (g_3, u = ll = 97\frac{1}{2})$
- Canopy:  $\text{Picea} = \text{Abies} = \text{Bet} = \text{Pin. sib.} = 25$   
 (Sky 50)

- (vii)
1.  $o (ll_{70}, u_{29}, g_1)$
  2.  $\text{Picea}, 3 (g_{10}, ll_{45}, u_{45})$
  3.  $o (g_2, ll = u = 98\frac{1}{2})$
  4.  $\text{Bet}, 15 (g_1, ll = u = 99\frac{1}{2})$
  5.  $\text{Pin. sib.}, 3 (ll_{90}, g_1, u_9)$
  6.  $o (g_5, ll = u = 95\frac{1}{2})$
  7.  $o (ll_{60}, u_{37}, g_3)$
  8.  $\text{Picea}, 4 (g_{10}, ll_{60}, u_{30})$

Canopy:  $\text{Picea} 30$        $\text{Pin. sib.} 40$   
 (Sky 50)  
 $\text{Betula} 25$        $\text{Populus} 5$

- (vi)
1.  $o (ll_{80}, u_{10}, g_{10})$
  2.  $\text{Pin. sib.}, 3 (ll_{70}, g_{30})$
  3.  $o (g_{10}, u_{40}, g_{30})$
  4.  $o (g_{10}, u_{30}, ll_{60})$
  5.  $o (g_5, ll_{75}, u_{20})$
  6.  $\text{Picea}, 4 (g_5, u_{70}, ll_{25})$

7.  $\circ (g_2, u_3, ll95)$   
 8.  $\circ (ll80, g_5, u15)$   
 9.  $\circ (g_5, ll:u_1 = 95\%)$   
 Canopy :  $Picea 23$   $Pinus sibiricus 50$   
 Bet 23  $Populus 4$   
 (Sky 60)

- (II) 1.  $\circ (ll70, u_30, g < 1)$   
 2.  $\circ (g_2, u_5, ll94)$   
 3.  $Picea, 2 (g_5, u_5, ll90)$   
 4.  $\circ (- - -)$

5.  $\circ (g_1, u_2, ll97)$   
 6.  $\circ (g=u_1=3, ll94)$   
 7.  $\circ (g=u_1=5, ll90)$   
 8.  $\circ (g < 1, water 1, ll99)$   
 9.  $\circ (g 1, water 20, ll79)$

Canopy : Bet 35  $Pinus sibiricus 5$   
 $Picea 60$  Sky 60

- (III) 1.  $\circ (g_2, u = ll = 98\%)$   
 2.  $Betula, 10 (g = u < 1, water 10, ll90)$   
 3.  $Picea, 3 (g_5 = u, ll90)$   
 4.  $\circ (g_5 u=10 ll85)$   
 5.  $Pinus sibiricus, 6 (g_5 = water, u = ll = 85)$

6. o ( ll70, m29, g1 )

7. Pin. 816, 4 ( g11, m5, ll95 )

8. Pin. 816, 4 ( g2, m12, ll96 )

9. o ( g1, m=ll=99/2 )

Ceconomy: Bet, 20 Pin. 816, 55

Picea, 20 Populus, 5

( sky : 50 )

⑩ 1. o ( g2, m3, ll95 )

2. 2. o ( g2, ll=m=98/2 )

3. o ( g5, m20, ll75 )

4. o ( g20, m=ll=40 )

5. o ( g30, m30, ll40 )

6. o ( g5, m20, ll75 )

7. Bet, 5 ( - - - - )

8. o ( g40, ll60 )

9. o ( g=m<1, ll100 )

Ceconomy: Pin. 816 60 Bet 40

Picea <1 ( sky 70 )

① Betula - Picea sylv. - Populus <sup>for young</sup> forest with Salix ( H 3-5m ) + some Piceas, Larix.

1. o ( g5, dry <sup>+ ll</sup> grass g5 )

2. o ( - - - - )

3. Betula, 3 ( g5, ll+dg95 )

4. o (g t, ll + dg 9 9 )

5. o (-a - a -)

6. o (-a - a -)

7. o (-a - a -)

8. Betula , 3 (-a - a -)

9. o (-a - a -)

Canopy: Bet 70  
Pinus sylvestris 15  
Salix 5  
Populus 5  
(Sky 70)

9/17 Flock plane, left bank  
 a lot of water (~50-70%).

① 6<sup>24</sup>

*Phyl. borealis* - 1s

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*Zoothera sibirica* - 2's  
*Icosceles illiae* - 1s  
*Xenus cinereus* - 1s  
*Phyll. borealis* - 2's  
*Circus saturatus* - 1s  
*Phyll. collyb.* - 2's  
*Circus cyaneus* - 1s

*Phyll. collyb.* - 1s

*Turdus philomelos* - 1c  
*Crex crex* - 1s

② 6<sup>36</sup>

12

*Turdus ill.* - 1s  
*Circus sat.* - 1s  
*Syle. can.* - ~~4~~ 2's  
*Phyll. coll.* - 1s  
*Phyll. borealis* - 2's  
*Turdus philomelos* - 1s  
*?Picoides tridactyla* - 1e

*Phyll. coll.* - 1s

*Pyrhula sp.* - 1c

*Circus sat.* - 1s

*Cuc. can.* - 1s

*Gallinago gallinago* - 1s

(III) 6<sup>Σ</sup>

*Cuculus canorus* - 1s

*Phylloscopus* - 1s

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*Capreolus capreolus* - 1s

*Circus cyaneus* - 2s

*Phylloscopus* - 2s

*Phylloscopus* - 1s

*Zoothera sibirica* - 1s

*Turdus viscivorus* - 1o\*

*Circus canorus* - 1s

*Carduelis* - 1s

*Tringa ochropus* - 1s

*Ficedula parva* - 1s

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*Sylvia curruca* - 1s

*Fringilla montifringilla* - 1s

*Nucifraga caryocatactes* - 1s

(IV) 7<sup>οζ</sup>

*Spizella spinicauda* - 1e (1)

*Phylloscopus* - 1s

*Phylloscopus* - 1s

*Circus cyaneus* - 1s

*Circus cyaneus* - 1s

*Pyrrhula* sp. - 1s

*Turdus iliacus* - 1s

*Zoothera sibirica* - 1s

*Sylvia curruca* - 1s

*Cervus canadensis* - 1c

*Gallinago gall.* - 1s }  
 Phyll. norn. sp. - 1s  
 Fring. monach. fr. - 1s  
 Parus caeruleus - 1s

(V) 7 ~~42~~

*Turd ill.* - 1s  
 vs      *Fring. cedror. fr.* - 1s  
 Phyll. norn. - 1s  
 Reg. Thalos caudatus - 1e

{ Pych. sp. - 1e c  
 Turd. reesicoll. - 1c  
 Fring. monach. fr. - 1s  
 Phyll. boreal. - 2s  
 Phyll. collyb. - 1s  
 Gallin. gallin. - 1s  
 Phyll. norn. - 1s  
 Sylva eur. - 1s  
 Regulus regulus - 1s

(VI) 7 ~~42~~

Phyll. norn. - 2s  
 Eub. pusilla - 1c

16

{ Zooth. sibirica - 1s  
 Turdus iliacus - 2s  
 Phyll. borealis - 1s  
 Eub. pusill. - 1s  
 Cical. sat - 1s  
 Sylva eur. - 1s  
 Phyll. coll. - 1s  
 Gallin. gallin. - 1s  
 Acanthis flammea - 1c (?)  
 ← the pair

Turdus ruficoll. - ♀ } Cercul. ecaudatus - 1♂

(VII) 8<sup>22</sup>

Coprocacus erythrurus - 1♂  
Phyll. icterotis - 2♂

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Phyll. icter. - 1♂  
Fringilla montif. - 1♂  
Gallin. gallin. - 1♂  
Phyll. borealis - 1♂  
Zooth. sibir. - 1♂  
Sylv. euraca - 1♂  
Spiz. spiz. - 1♂(→)  
Cerco. sat. - 1♂  
Turd. illicia - 1♂

Sturnus linn. - 1♂  
Dendrocopos major - 1fr.  
Turdus ruficoll. - 1c

18

(VIII) 8<sup>15</sup>

Phyll. icter. - 3♂  
Turd. ruficoll. - 1c

Zooth. sibirica - 1♂  
Coprocacus erythrurus - 1♂  
Turdus illicia - 1♂  
Gallinago gallin. - 1♂  
Circ. sater. - 1♂  
Fring. montif. - 1♂  
Turdus pilatus - 1c  
Turdus ruficollis - 1c

*Eub. pusilla* - 1s }  
 Pleyll. borealis - 2's  
 Xerxes cincica - 1s  
 Tringa ochropus - 1c

(ix) 8<sup>30</sup>

*Pleyll. worn.* - 1s ← *Ph. inornat.* - 1s  
*Pleyll. bor.* - 1s ← *Ph. borealis* - 1s  
 19  
 Tord. ill. - 2's  
 Tord. reuficoll. - ~~2's~~ 2's  
 Capod. erythr. - 1s  
 Gallin. gall. - 1s  
 Frig. creonifia - 1s  
*Eub. pusilla* - 1s (50m?) ← *Cauberiza pusilla* - 1s  
 Syle. leuc. - 1  
 Tord. illiaca - 1s

- (IX)
- 19 grass Populus 45 Biodiversity 10  
 Picea 1 (Sky 90-50)  
 Salix 45
- grass 30 dry grass 20 ll 35 water 10  
 1. 0 3. alnus/alnaster, 2 5. alnus/alnaster, 2  
 2. Salix, 3 4. Biodiversity, 2
- 18 (VII) Picea 0,5 Alnus/alnaster 40 Biodiversity 35  
 Abies 0,5 Salix 20  
 1. Pie, 12 3. al/al, 2 5. al/al, 3  
 2. 0 4. Bch., 3
- 17 (VII) Pie 5 Ab 0,5 Sal 20 Bch 3 al/al 20  
 (Sky 30)  
 1. al/al, 2 3. Sal, 4 5. 0  
 2. Sal, 4 4. 0
- 16 (VI) Pie 0,5 Ab 0,5 Bch 1 Sal 50 Bch 18 al/al 30  
 1. 0 3. al/al, 3 5. al/al, 2  
 2. Bch, 2 4. 0
- 

~~\*\* gross(g) = Eq + F + Vac + other green small plants~~

15 (v) Pie 0,5 Ab 0,5 Bet 5 Sal 50 al/al 30 Bel 14  
(Sky 20) 1. al/al, 4 3. Bet, 4 5. al/al, 3  
2. Pic, 3 4. Sal, 2

w 70 (g 10 ll 90), ll 20, g = w = 5

14 (vi) Pie 1 Ab 1 Bet 10 Sal 28 al/al 50 Bel 10  
(Sky 20) 1. al/al, 2 3. al/al, 4 5. Sal, 3  
2. 0 4. Bel, 1/5

w 90 (g 21 ll 100), ll 20, g 6, w 3

13 (vii) 1. al/al, 4 3. ab, 2 5. al/al, 3  
2. al/al, 4 4. al/al, 4

ab 1 Pic 1 Bet 5 Sal 45 al/al 45 Bel 4 (Sky 20)

g 40 w 10 dg 20 ll 30

M (viii) 1. Sal, 3 3. al/al, 4 5. Sal, 4  
2. 0 4. al/al, 2

Sal 40 Pie 1 ab 1 al/al 50 Bel 10 (Sky 20)

g 70 ll 20 25 dg 5

(ix) - 91°

13/VI left bank, taiga

⑦ 66<sup>36</sup> ?

10

Plejll. pror. - 1s, 60  
Perc. sater. 1s, 1500  
Circ. can. 1s, 2000  
Cicel. chrysoplax? 1s, 200  
Aulacus godzgonsi 1s, 500  
Frug. acetos. - 1c (?) | Sit. europe. - 1c, 200  
Nuc. eas. 1c, 300

⑧ 66<sup>49</sup> ?

21

Fic. angustiata - 1s | Fic. angust. 1s, 150  
clus. ciliata sibir. - 1s | Circ. can. - 1s, 1000-2000  
Plejll. pror. - 1s, 300  
clus. sibir. - 1s, 100  
Cicel. sat. - 1s, 1000  
Pyzh. sp. - 1c, 150  
Zooth. sibirica - 2s, 600  
(Turd. obscur??)  
Turd. ill. - 1s, 700

III ~~Excl~~ T<sup>o3</sup>?

Parus mont. - 1c

22

Par. mont. - 1s, 150

1s, 200

Phyll. pror. - 1s, 100

Tarsig. ceau. - 1s, 200

Sif. europ. - 1c, 200

Circ. sat. - 1s, 4000

Circ. can. 1s, 1500

Fic. aegiuwakif 1s, 150

Tard. obscur. - 1s, 300

Dario sp 1c, 70, →

Bendrosperus sp / Picoides br. - 1c, 200

II ~~Excl~~ T<sup>y3</sup>?

Auth. godogr. - 1s (sou?)

23

Par. mont. - 1c, 70

Phyll. pror. - 1s, 100

F. cecouliif. - 1s, 200

Sif. europ. - 1c, 150

Circul. sat. 1s, 1500

Tur. obscur. - 1s, 400

Dyphula sp + Fe, 150

Nixia sp. - 1c, 100, →

Parus ates. - 1s, 300

(E) 7<sup>377</sup>

24

Tars. cyan. - 1s, 300  
Plechl. proz. f 1s, 150 |  
Drosophilaswart. - 1c, 500  
Lexia sp. - 1c, 100, →  
1c, 50, →  
1c, 150, →  
Frig. acoust. - 1s, 500, →  
Lexia sp. - 1c, 100, →  
Pyrochela sp. - 1c, 200  
Mac. caryae. - 1s, 500  
Parsus crenatusus - 1s, 500

25

(U) 7<sup>45?</sup>

Tetastes bonasia - 1s { Plechl. micro. - 1c, 150  
1s, 100  
Tars. cyan. - 1s, 300  
Mac. car. f 1c, 300 |  
Plechl. proz. - 1s, 500  
Lexia sp. - 1c, 100, →  
Lexia sp. - 1c, 200, →  
1c, 300, →  
Aulac. ludyzowii - 1s, 200

(6/11) 7<sup>27.7</sup>

Aphyll. jucund. - 28

26

\*

Aphyll. jucund. - 18, 100  
Cec. caudatus 18, 500  
Teard. ruficollis - 1c, 200  
Eucalypt. chrysophrys? - 18, 100

26 (VII) 1. Pop, 20 3. Nar, 4 5. Bet, 15  
2. Bet, 10 5. Bet, 4 ~~Betula forest~~  
H 22m. Sky 10 ~~Betula forest~~  
Bet 50 P&B 39 Pop 5 Nar 5 Pic 1 ~~near birch~~  
H 60 910 m. 30

25 (VI) 1. Nar, 15 3. Pic, 2 5. Bet, 3  
2. Bet, 17 4. Pic, 3

H 80 Sky 10

Bet 50 Nar 40 Pic 10

g. 30 dg 30 ll 30 m. 10

24 (V) 1. P&B, 2 3. Nar, 20 5. 0  
2. Nar, 20 4. 0

H 25 Sky 20  
Nar 20 Bet 8 Pape 20 P&B 1 Alfalfa  
g. 50 ll 50

23 ④ 1. Ps6,10 3. Blt,20 5. Blt,7  
2. Blt,12 4. Pop,20  
H 25 Sky 20

Pop 38 Dar 1K Pic 1 Ps6 50 Blt 10  
g 45 ll 45 u 10

24 ⑤ 1. alfal,2 3. Blt,6 5. Blt,20  
2. Dar,4 4. Ps6,8  
H 20 Sky 20

Pop 10 Ps6 40 Blt 40 Dar 5 alfal 5  
g 35 u 35 ll 30

25 ⑥ 1. Blt,10 3. Blt,10 5. Blt,12  
2. o 4. Pic,3  
H 25 Sky 20

Dar 30 Pic 5 Blt 30 Ps6 5 Pop 25 alfal 5  
g 40, dg 10, ll 45, u 5

26 ⑦ 1. Blt,7 3. Blt,6 5. Ps6 15  
2. Blt,4 4. o

H 20 Sky 20

Blt 51 Pic 3 Ps6 40 alfal 3 Dar 3  
g 40 dg 20 ll 35 u 5

Island Vampier, ill. Osjavoro

16/VI

Island Vampier, ~~saltex bushes~~

or Kocca abruka no koo merge Preceen  
+ zambou (I-E) (V)

A band + Ab. cact. ~~are water all~~ <sup>(VI-VII)</sup> between Tursey and  
+ Abies forest <sup>(VI-VII)</sup> sand bar (I-E)

I 6<sup>52</sup>

*Phyll. fuscatus* - 1s

*Dicr. stevica* - 1s

*Phyll. coll.* - 1s, 60

*Phyll. fusc* - 1s

*Sternia lherminii* - 1c, 500

*Narcis colinus* - 1c, 500/1000

*Cerc. canorus* - 1s, 1500

*Circ. satyr.* - 1s, 1500

*Lotus* ~~sp.~~ sp. - 1c, 100

*Euler. aureola* - 1s, 300

*Xerces cicerina* - 1s, 500

*Corvus corax* - 1c, 500

*Arias caeca* - 1c, 500

(II) 7<sup>08</sup>  
 28      Eucb. siccocellees - 1s  
           Xerces cicerrea - 1s  
           Aesculus xanthoxyla - 1 pair  
           Eucb. acer - 1s  
           Xerces cicerrea 1s, 300  
           1s, 300  
           Phyllocladus - 1s, 200  
           Cedrel. sat. [1s, 1000]  
           Cedrel. can. [1s, 1000]  
           Cuc. can. - 1s, 500  
           Aet. lith. hypoleuca - 1s, 300  
           Sternia lalandi - 1c, 200  
           Eucb. aureola - 1s, 200  
           1s, 100

(III) 7<sup>21</sup>  
 29      Eucb. aureola - 1or  
           Xerces cicerrea - 1s  
           Sternia lalandi [1s, 100]  
           Xerces cicerrea [1s, 70]  
           Phyl. borealis - 1s, 100  
           Cedrel. sat. [1s, 1000]  
           Cedrel. can. [1s, 1000]  
           Eucb. siccocellees [1s, 200]  
           Aet. lith. hypoleuca [1c, 100]  
           Phyl. collyb. [1s, 200]  
           Cygnus cygnus - 4+, 300  
           Ximenesia (argus?) - 1s, 500  
           Sternia lalandi - 1c, 100  
           Cuc. canorus [1s, 1500]

(n) T<sup>36</sup>

*Phyll. fuscata* - ls

30

*Eubos. aureola* - 18,100

18,300

*Phyll. borealis* ~~18,100~~

*Phyll. coll.* - 18,100

*Neris montana* - 10,200

*Cypraea cypraea* ~~4\*,100~~

*Mediterr. lyng.* - 18,200

*Leuculus virgines* - 1,70

*Leotia alba* - 60, → 10

*Aetikh. lyng.* - 18

(i) T<sup>47</sup>

*Dicr. specica* - ls / 500? }

31

*Phyll. coll.* ~~18,100~~

18,150

*Cypr. cypraea* ~~4\*,100~~

*Scut. satyr.* ~~18,1500~~

*Cuber. aureola* ~~18,300~~

*Phyll. fuscata* ~~18,300~~

*Urt. alba* ~~18,200~~

*Eubos. aureola* - ls

*Cicca. can.* - 18,500

*Cypraea* sp. - 10,300

(ii) 8<sup>04</sup>

32

{ Phyll. coll. [18,70]  
[18,150]  
Cercomacra cyanea [1c,200]  
Cicind. canorus [18,1500]  
Zoothera sibirica - 18,400  
Parus ater - 18,300  
Sylvia borin - 18,500  
Actitis hypoleucos [18,600]

(iii) 8<sup>22</sup>

Fring. montif. - (18 + 1ea) + | Fr. montif. - 18,100  
Turd. ill. - 1 pair, ea. | Parus ater - 1c,70  
Alaudica sibirica - 1 ea. | Tord ill. - 18,150  
Zoothera sibirica - 18 | Corvus sp. - 18,100  
| (corone/corax)  
Zoothera sibirica - 18,150  
Nucifraga siberiana - 18,400  
Tord philomelos - 18,200  
Phyll. illovoates - 1c,100

33

33 (vi) 1. Ab. 15 3. Ab. 7 5.0  
7. Ab. 12 4. Ab. 17

H 25 Sky 20

Ab. 95 Bet. 4 alfa/alfa, Abh. 1

g 90 w 5 ll 5

32 (vii) 1. Beh. 4 3.0 5. Beh. 2  
2. Beh. 12 4.0.

H 20 Sky 20

ab 5 Beh. 6 & alfa/alfa + Sal 27

g 80 ll 20

31 (v) 1.0 3. Sal. 2 5.0

H 20 4.0  
H 3 Sky 60

Sal. 100

g 80 g 45 dg 45 w 10

30 (vi) H 2.5 Sky 90  
Sal. 100

g 60 dg 20 soil 20

29 (vii) -4-4-

g 40, soil and stones 20, dg 10, water 30

-4-4-

Abies forest

Salix-Beh

Band on the  
border of Abies  
forest with  
some Abies.

A band  
of Salix 10m  
wide +  
meadow

2 bands  
of Salix 10m  
and -4-4 +  
meadow +  
Salix-Beh band  
of Abies forest

28 ⑪ 1.0 3.0 5. Salix, 2

2. Salix, 2 4.0.

H 2, Sky 70

Salix 100

g 55 dg 35 soil lo w5

29 ① 1.0 3.0 5. Sal., 3

2.0. 4 Sal., 2

H 2,5 Sky 50

Salix 100

g 1, w 10, ~~soil~~ 89

a more thick  
band of Salix  
10-30m wide  
+ meadow

-4-4-

8

18/6 Right Bank, ~~near~~  
~~is near~~ near island  
 Vampier. Betula forest.

6-

① Zoot. sibirica - 18

34

Aerocephalus dumet. - 18

{ Anthus godzi. - 18,100  
 Frig. mont. fr. - 18,100  
 Cetul. canor. - 18,1000  
 Phyll. coll. - 18,70

ii) Xusc. cyane - 18

35

{ Fr. mont. - 18,200  
 18,200  
 Parus montanus - 18,150  
 Hor. dumetor. f 18,200

iii)

36

{ X cyane f 18,200  
 Phyll. trochiloides - 18,100  
 Parus montanus - 18,100 ?  
 Frig. mont. fr. f 18,150 / V

iv) Frig. mont. - 18

37

{ Phoenicurus phoenicurus - 18,300  
 Fr. mont. fr. - 18,100

(v) *Phyll. monachus* - 1s + 1c      *Aloenec. phoenic* [1s, 100]  
*Frig. monachif.* - 1s →      *Fr. monachif.* - 1s, 150  
*Circul. safras.* - 1s, 1500      *Circul. safras.* - 1s, 1500  
*Sit. europ.* - 1c, 30, →      *Sit. europ.* - 1c, 30, →

(vi) *Phyll. inornat.* - 1s      *Parus ates* - 1s, 200  
*Par. montanus* - 1s →      *Parus acutans* - 1s, 100  
*Loxia sp.* - 1c, →, 50      1s, 300  
*Phloeocurus phoenic* - 1s, 300

(vii) *Phloeoc. phoenic* ? → [1s]      *Phyll. brealis* - 1s, 70  
*Sitta europ.* - 1c     

(viii) *Autius godos* - 1s, 200  
*Circul. safras.* - 1s, 1500  
*Frig. monachif.* - 1s, 70  
*Phyll. praeq.* - 1s, 200  
*Accipiter Noumea* - 1c, 100, →  
*Phloeoc. phoenic* [1s, 100]

*Accipiter gentilis* - 1

⑩ *Fring. montifl.* Els  
*Antilias godgs.* Els  
 ⑪ *Dilegll. boreog.* Els  
*Turdus ruficollis* - 1c  
*Sitta europ.* - 1c

Antilias godgs. - 1s, 150  
 Cerul. saltus. - 1s, 500

*Certhia cleopatrae* - 1s, 150

⑩ 43

Phyll. boreog. - 1s, 100  
 Cerul. salt. - 1s, 70  
*Turd. obscurus* - 1s, 400

*Fring. montifragilla* 1s

43

⑩ 1. Blt, 5 3. Ab, 5 5. Blt, 5  
 2. Ab, 4 4. Sor, 3  
 H 19 Sky 20  
 Blt 50 Pops Abz Piez Ab 5 P&B 30 Sor 21  
 950 u. 10 ll 40

⑪ 1. Blt, 4 3. Sor, 3 5. 0

⑫ 2. Ab, 10 4. 0

H 18 Sky 10

Blt 55 8 P&B 35 Piez Sor 2 Ab 6

945 ll 50 u. 5

41 (viii) 1. 0 3. Bet, 10  
2. Bet, 12 4. Bet, 10  
5. Bet, 7

H<sub>2</sub>O Sky 10

Blt 89 Pop 100 Sort Abc 1  
g 90 dg 5 ll 25

40 (ix) 1. Bet, 9 3. Bet, 4  
2. 0 4. Bet, 15  
5. Pop, 12

H<sub>2</sub>O Sky 10

1. Bet 85 Pic 1 Ab 2 P 86 5 Pop 5 Sort 1 Var 1 Abc 1  
g 90 dg 5 ll 5

39 (vi) 1. Sort 3 3. Sort, 2  
2. Bet, 10 4. Bet, 6  
5. Bet, 3

H<sub>2</sub>O Sky 5

Blt 55 Pop 35 Ab 5 Ab 2 Aie 1 P 86 1  
g 80 ll 20

38 (v) 1. Blt, 3 3. Blt, 6  
2. Blt, 3 4. 0  
5. Pop, 6

H<sub>2</sub>O Sky 10

Blt 70 Ab 2 Sort Pop 25 Pic 1 Var 1

g 80 dg 2 ll 18

37 (ii) 1. Bet, 9 3. Ab, 3  
2. Bet, 12 4. 0  
5. Bet, 10

H<sub>2</sub>O Sky 10

Bet 88 Als 1 Sor1 Pops AB & Pic3 P86<1

g90 ll.10

36 (m) 1 Bet, 8 3. Bet, 10 5. Bet, 13  
2. Bet, 7 4. Nov, 12

H20 Sky 10

Bet 75 Nov 5 AB & Pic3 Pop 15

g70 dg 2 ll 28

35 (n) 1. Al, 2 3.0 5. Nov, 12  
2. Bet, 7 4. Bet, 9

H20 Sky 10

Pic3 Nov 5 AB 1 Sor 2 All x P86 1 Bet 81

Steep slope ~~with~~, stream with thick  
~~bush~~ shrubbery

g90 dg < 1 ll.10

34 (o) 1. Bet, 9 3. Bet, 12 5. Bet, 15  
2. Bet, 16 4. Bet, 12

H25 Sky 5

Pic. 1 AB Sor 1 Bet 97

g80 dg 5 ll.15

Near Eusey;  
There are some  
shrubbery

19/11 Taiga, left bank, near island

5<sup>30</sup>

① UM

{ Phyll. coll. - 1s, 80  
Ayth. sp. - 1c, 100  
Phyll. porreg. - 1s, 150

(II)

VS

*Parus mont.* - 1c  
*Nesia* sp. - 1c, ↗

*Zoothera dauma* - 1s, 1000  
*Ficedula mugimaki* - 1s, 100  
*Acantilis flammica* - 1s, 70, ↗  
*Dendrocop. major* - 162, 200  
Phyll. porreg. { 1s, 200  
1s, 300 }  
1s, 70 }

Turd. cett; coll - 1c

WB

(III)

*Fic. mugimaki* - 1s, 80  
Phyll. porreg. - 1s, 100  
*Par. montanus* - 1s, 100  
*Sturnopelia orient.* - 1s, 900  
*Parus ceter* - 1s, 150  
Phyll. coll. - 1s, 150

(iv)

W

Phyll. proreg. - 18,100  
 Acerus cedrat. - 18,100  
 Phyll. coll. [18,100]  
 Fic. anginawaki [18,150]  
 Si.t. eelop. - 1c, 150  
 Cerc. canescens - 18, 1500  
 Zoot. daurica [18, 1000]  
 Acanth. flammec. - 1c, 70,  
 Dendrocep. waj [18, 500]  
 Cercid. sartor. - 18, 1500  
 Streptopelia orientalis - 18, 100

(v) Phyll. proreg. - 18  
 Acerus cedrat. - 1c

48

(vi)

49

Dendrocoptes major - 18, 400  
 Si.t. eelop. - 1c, 100  
 Fic. anginawaki [18, 150]  
 Agath. sp. - 1c, 100  
 Syrphop. orient [18, 300]  
 Zoot. daurica [18, 1000]  
 Cercid. canescens [18, 1500]  
 Phyll. proregularis - 18, 500

Phyll. proreg. - 18, 150  
 18, 400  
 18, 300

*Zooth. dauma* [18, 1000]  
*Sylo. leucruca* - 18, 150  
*Ficed. weiguriaki* - 18, 150  
*Circul. scutellataes* [18, 1000]  
*Aphylla* ~~sp.~~ - 1c, 100

(VII)

SD

*Fic. weiguriaki* - 18

*Aphylla pierreg.* [18, 100]  
[18, 200]

*Zooth. dauma* [18, 1000]  
*Sylo. cver.* [18, 150]  
*Aphylla* ~~sp.~~ - 1c, 100

S

(VIII)

*Degaleus regaleus* - 18

*Aphylla pierreg.* [18, 300] ✓?  
[18, 500] ?  
*Circul. calcarces* [18, 1500] ✓?  
*Acroth. flavaea* - 1c, 60, →

X 42

*Aphylla pierreg.* [18, 100] ✓?  
[18, 500]

*Parees montanaes* - 18, 100  
*Zooth. dauma* [18, 1000] ✓?  
*Circ. can.* [18, 1500]

*Scaphisoma fluminea* - Ic, → }

(X)

*Polyll. proregulus* - Ig, 8016  
18,150

4

*Zosteria danica* - Ig, 200  
*Aer. aeruginosus* - Ig, 150  
*Cercid. sat.* - Ig, 1500  
*Tetrad. ruficollis* - Ic, 150  
*Polyll. collifl.* - Ig, 100

4

(XI)

*Polyll. proreg.* - Ig

*Frig. cedretif.* - Ig, 70  
*Aethalies godgesocai* - Ig, 60  
*Aer. aeruginosus* - Ic, 100  
*Nicif. cerepocat.* - Ic, 100

5) *Nic. caryae* - I

(XII) Valley of small stream.

1.0 3. Ab, 2 5. Psl, 6

2.0 4. Bet, 7

H 16 Sky 20

Bet 50 Pic 30 Ab 5 Ab 5 Sal 21 Psl 10

glo Vac 10 u 67 ll 10 Eq 3

(X) Slope of valley of small stream.

53 1.0 3.0 5. Pic, 3

2.0 4. Ab, 7

H 18 Sky 20

Psl 45 Bet 45 Ab, 2 Pic 6 Sal 2

g 5 Vac 5 Eq 5 u, 20 ll 60 ~~60~~ 65

52 (IX) -4-4-

1. Pic, 4 3. Ab, 2 5. Pic, 9

2. Pic, 3 4. Ab, 2

H 18 Sky 20

Psl 35 Bet 35 Ab 15 Pic 10 Ab 5

g 5 Vac 10 ll 20 u ~~55~~ 55 Eq 10

51 (X) -4-4-

1. Ab, 2 3. Pic, 3 5. Pic, 6

2 Ab, 3 4. Psl, 7

H 18 Sky 15

Bet 25 Psl 25 Ab 11 Sal 1 Sor 1 Pic 25 Ab 25

g 5 ll 20 Vac 10 ~~10~~ u ~~55~~ 55 Eq 10

50 (VII) -4-4-

1.0 3. Pic, 4 5. ~~Ab, 7~~ 0

2.0 4. Psl, ~~1~~ 3

H ~~16~~ Sky ~~20~~ ~~20~~

Psl ~~35~~ Pic 50 Bet 10 ~~11~~ Ab 5

g 5 Vac 10 ll 20 u ~~55~~ 55 Eq 10

⑥ 1. Pic. 8 3. Pic. 3 5. ~~Pic.~~ Pic. 17  
43 2. ~~Pic.~~ 10, 4. P. 8, 15  
H<sub>2</sub>O Sky 15

P<sub>86</sub> 50 Pic. 35 Bet 10 Sor 21 Ab 5  
g<sub>1</sub> Vac 5 ll 15 u~~75~~ Eq 5

⑦ 1. Pic. 8 3. Pic. 8 5 Ab. 3  
48 2. P<sub>86</sub>, 17, 4. 0  
H<sub>2</sub>O Sky 15

P<sub>86</sub> 35 Pic. 30 Bet 10 Sor 21 Ab 15  
g<sub>5</sub> ll 20 Vac 5 u~~65~~ Eq 5

⑧ 1. P<sub>86</sub>, 10 3. P<sub>86</sub>, 10 5. 0  
2. Ab. 2 4. Ab. 5  
H<sub>2</sub>O Sky 10

P<sub>86</sub> 50 Pic. 5 Ab. 30 Bet 5  
g<sub>5</sub> Vac 1 Et 5 ll 20 u 69

⑨ 1. P<sub>86</sub>, 7 3. 0 5. P<sub>86</sub>, 12  
2. 0 4. Ab. 10  
H<sub>18</sub> Sky 15

P<sub>86</sub> 60 ~~Ab~~ 15 Bet 10 Pic 15

g<sub>2</sub> Vac 5 Eq 5 ll 20 u 68

⑩ 1. Pic. 5 3. Ab. 3 5. Bet. 4  
45 2. 0 4. Ab. 7  
H<sub>2</sub>O Sky 10

P86 30 Pic 30 AB 30 Bet 20

g + Vac 5 ~~4000~~ ll 20 m 74

W<sup>Y</sup> ⑩ 1. Bet, 5 30 5. Pic, 4

2. Bet, 14 4. Pic, 2

H<sub>2</sub>O Sky 20

P86 ~~10~~ 10 Pic 35 AB 30 Bet 15

g + Vac 3 ll 25 m ~~66~~ 66 Eq 5

Groups of big trees, solitary trees  
are mixed with thick shrubbery  
of bird cherry, bog, scrub, al, Salix,  
as a rule near the lakes

20/V island Elavoy  
abies forest + thick shrubbery (mixed)

(F)

Tur. pilaris - 3<sup>+</sup>

Tur. illieae - 2<sup>+</sup>

Parus ater - 1<sup>+</sup>

Tur. illieae - 1<sup>+</sup>, 70

F. montif. - 1<sup>+</sup>, 100

F. coerulea - 1<sup>+</sup>, 80

Cuc. cancr. - 1<sup>+</sup>, 100

Dendroc. maj. - 1<sup>+</sup>, 70

Falco sciraticus - 1<sup>+</sup>, 70

Phyll. coll. - 1<sup>+</sup>, 100

Darus carolinus - min 2<sup>+</sup>, 100

55

56

(F) Capro. erythrurus - 1<sup>+</sup>

Sylo. curruca - 1<sup>+</sup>

Turd. illieae [1<sup>+</sup>, 150]

Phyll. praeq. - 1<sup>+</sup>, 150

Sylo. curru. - 1<sup>+</sup>, 200

T. pilaris [1<sup>+</sup>, 100]

Cucul. satyr. [1<sup>+</sup>, 700]

Phyll. coll. [1<sup>+</sup>, 200] V?

Card. can. - 1<sup>+</sup>, 500

1<sup>+</sup>, 300

Corvus corone - 1<sup>+</sup>, 500

Parus ater - 1<sup>+</sup>, 100

Phyll. coll. - 1<sup>+</sup>, 100

Turd. ill. [1<sup>+</sup>, 200]

⑩ Phyll. piceae - 1s  
Sylvi. curru. - 1s

Cecid. can. - 1s, 100  
T. pilaris - 2<sup>±</sup>e, 80  
Phyll. collyb. - 1s, 80  
Dendroc. leuaj. - 1t<sub>2</sub>, 150  
Larrea canescens - 1c, 200  
Corvus corone - 1c, 300

56

⑪ Fr. cælebs - 1s  
Sylvi. curru. - 1s

Fring. montif. - 1s, 400  
Parus acaud. - 1s, 150  
Zooph. sibir. - 1s, 100  
Nasus caeruleus 1cc, 500  
Fr. acaud. - 1s, 300  
1s, 200  
Tord. polar. - 1c, 100  
Parus atter - 1s, 80  
Bombigilia garzaeillus - 1c, 100  
Phyllos. edel. f1s, 100  
. 1s, 200  
Cucul. caucor. f1s, 300 ?  
Corvus corone f1c, 100  
Phyll. piceae - 1s, 150  
Falco subbuteo f1c, 400  
Cecid. sativ. f1s, 500 ?

(V) *Syle. cava.* - 2<sup>+</sup>  
 59 *Phyll. proreg.* - 1<sup>+</sup>  
*Cecid. pilaris* - 1 pair  
 Phyll. coll. - 1<sup>+</sup>, 200  
*Xaras caninus* - min 5<sup>+</sup> (O)  
*Cecid. caninus* [1<sup>+</sup>, 200]  
*Ter. illiacus* - 1<sup>+</sup>, 200  
*Cecid. sat.* - 1<sup>+</sup>, 1000  
 1<sup>+</sup>, 1000

60 *F. maidis* - 1<sup>+</sup>, 200  
*Nur. caryocat.* - 1<sup>+</sup>, 200  
*Pheonicea pheonice* - 1<sup>+</sup>, 300  
*Cecid. caninus* - 1<sup>+</sup>, 1000

(VI) *Deudorix. a. a.* - 1<sup>+</sup>  
*Ter. pilaris* - 1<sup>+</sup>  
*Xaras canines* - 3<sup>+</sup>  
 Syle. cava. [1<sup>+</sup>, 100]  
 [1<sup>+</sup>, 130]  
*Cecid. sat.* - 1<sup>+</sup>, 500  
*Phyll. collyb.* - 1<sup>+</sup>, 80  
*Cecid. canus* [1<sup>+</sup>, 500]  
 [1<sup>+</sup>, 1000]  
*Gallinago stenura* - 1<sup>+</sup>, 70  
*Phyll. collyb.* - 1<sup>+</sup>, 200

61 *Nova* sp. ~ 10<sup>+</sup>, →  
 (VII) *Capnod. erythr.* - 1<sup>+</sup> {  
*Cecid. sorgh.* - 1<sup>+</sup> → }  
*Phyll. coll.* - 1<sup>+</sup>  
 Pheonicea pheonice [1<sup>+</sup>, 100]  
*F. coelata* - 1<sup>+</sup>, 150  
*Cecid. sativ.* - 1<sup>+</sup>, 100

Cucul. caucor. - 1s, 300  
 Phyll. coll. - 1s, 150  
 Dendrocop. waj. - 1c, 70  
 Fring. montifring. - 1c, 100  
  
*Parus montani.* - 1s

(X) 64  
*Par. ater?* - 1s  
 Phyll. coll. - 1s  
*Tcer. illiaca* - 1e

*Sylv. eur.* - 1s, 150  
*Cucul. caucor.* - 1s, 200  
*Tcer. philocellos* - 1s, 150  
*Sylv. eur.* - 1s, 150?  
*Cucul. caucoreis* - 1s, 900N?  
*Cucul. satyr.* - 1s, 70

(VII) 62  
*Sylv. eur.* f[1s] ✓?  
*Xenia* sp. - Tc, →  
*Narcis caucas* - 1  
*Xanthia calliope* - 1s  
*Dendrocop. waj.* - 1c

*Tcerd. illiaca* - 1s, 100  
1s, 100  
 Phyll. coll. [1s, 150]  
*F. celebs* - 1s, 150  
*Phyll. borealis* - 1s, 100  
*Tcerd. polaris* - 1c, 70  
*Sit. europ.* - 1s, 150  
*Cucul. caucor.* - 1s, 150

64

(X) 1. Pet, 4 3 Ab, 6  
 2. 0 4. Sor, 4  
 H2O Sky 25  
 Pet 44 Ab, 44 Sor w b3 5 Dic d Bel, 5  
 g 80 f 10 ll + dg 60 5 Eq 5  
 (IX) 1. 0 3. 0 5. Pet, 10  
 2. Bel, 2 4. 0  
 Blt 50 Ab, 40 Sor 5 b3 < 1 Bel 5 As 6 < 1  
 H2O Sky 30

g 60 f 30 dg + coll 2 Eq 8  
 (VII) 1. Ab, 5 3. 0 5. 0  
 2. Ab, 4 4. Sal, 4  
 H2O Sky 90

ab 30 b3 5 Bd, 20 Blt w ab 10 Sor 10 Sal 15  
 g 50 f 20 dg + ll 25 Eq 5

65  
 (X) *Acroceph. clavator.* - 1s  
*Phyll. coll.* - 1s  
*Parus ater* - 1s

*Sylv. eur.* - 1s, 150  
*Cucul. can.* [1s, 200]  
[1s, 70] N?  
*Tcer. illiaca* - 1s, 300  
*Cucul. satyr.* [1s, 100] ?  
[1s, 1000] N?  
*Tcer. polaris* - 1c, 70, →  
*Phyll. coll.* - 1s, 200

- 61 (vi) 1. Ab, 10 3. Al, 4 5. Pop, 10  
 2. Bel, 3 4. 0  
 ab 20 Bel 20 Al 15 Sor 10 Bet 20 Pop 15  
 g 80 f 5 w 5 dg + ll ~~ll~~ 9 Eq 1
- 60 (vii) 1. Bel, 4 2. 0 3. Al, 3  
 2. Pop, 4 1 4. 0  
 H 20 Sky 30  
 Blt 20 Pop 30 ab 8 Bel 20 Al 20 Sor 22 f 3 < 1  
 g 80 f 20
- 59 (v) 1. Ab, 7 3. Sor, 2 5. 0  
 2. 0 4. Bel, 7  
 ab 50 Sor 5 Bet 20 al 15 Bel 20  
 g 15 f 35 w 10 ll ~~ll~~ 30 Eq 10  
 H 20 Sky 20
- 58 (vi) 1. Ab, 3 3. Ab, 5 5. Al, 4  
 2. Ab, 12 4. Ab, 7  
 H 20 Sky 20  
 ab 40 Blt 15 Bel 15 Sor 21 Al 30  
 g 40 f 1, w 5, w 5, ll + dg 48, Eq 1
- 57 (viii) 1. ab, 4 3. ab, 4 5. Al, 4  
 2. ab, 2 4. 0  
 H 20 Sky 20  
 ab 60 Sor 3 Sor 21 Al 17 Bet 10 Sal 10  
 g 10 f 30 w 10 ll + dg ~~ll~~ 40 Eq 10

3b (11) 2.0 3.0 5. Blt, 10  
2. Al, 3 4. Beh, 3

Hix Sky 15

Al 30 Blt 20 Ab 20 Beh 20 Pop 20 Sol < 1

9 20 f 30 Eq 3 w 2 well 55

(11) 1 Al, 7 3 Ab, 12 5. Al, 5  
2.0 4. Ab, 3

Hxe Sky 15

Al 45 Ab 40 Blt 9 h<sub>3</sub> 1 Beh 5

9 30 f 20 Eq 20 lP 40

Ivanov Kasovskiy, rivers Saran~~tha~~<sup>ha</sup>  
and Proklyataya; near vill. Shouka,  
Novoyazdovo.

24/VI

river Saran~~tha~~<sup>ha</sup> Taiga

(I) 5<sup>16</sup>

65 Phyll. proreg. - ls

Spicees species - lc, →

(II) 5<sup>34</sup>

66 Fr. woodlif. - ls

Parus aurot. - ls

Caud. canor. - 18,200  
Acc. eyeue - 18,200  
Phyll. proreg. - 18,200  
Passer aurot. - 18,80  
Caprod. erythr. - 18,150

Phyllose. coll. - 18,150

Phyll. proreg. - 18,100  
18,200 ✓?

Caud. canores - 18,80

Passer aurot. - 18,60

Fring. coelebs - 18,100  
18,200

Dendrocop. major - 18,100

Koxia sp. - 18,80

(III) 6<sup>14</sup>  
67

{ X. cyane - 18,100  
Phyll. proreg. - 18,150  
18,200 ✓  
Parees auricet. - 18,200  
1c,60  
Cecid. cancr. 18,400  
Phyll. proreg. 18,150 ✓?  
Cecid. sat. - 18,900

(II) 6<sup>31</sup>  
68

Xasc. cyano - 18  
Parees auricet. - 1

{ Xasc cyane - 18,70  
Phyll. proreg. 18,70 ✓?  
18,150

(I) 6<sup>53</sup>

69 Parees auricet.? - 1c { Phyll. proreg. 18,100  
18,100  
18,20  
Xasciaria sib. laus - 18,500  
Xasc cyane 18,150 ✓  
Dendrob. woj. - 18,150  
Phyll. proreg. - 18,80  
Sif. europe. - 1c,100  
Ph. 100

(VI) 7<sup>07</sup>  
10 Phyll. progr. Fl. / V? }  
Phyll. progr. - 18,300 }

Phyll. progr. 18,300 }

Phyll. progr. - 18,300

(VII) 7<sup>19</sup>  
Phyll. progr. - 18 }  
Phyll. progr. f 18,300 }  
18,300 }

(VIII) 7<sup>32</sup>  
Picoides fridact. - 10? }  
Phyll. progr. - 18,80 }  
18,150 }  
18,200 }  
18,400 }  
Phyll. dochloroides - 18,150 }

(IX) 7<sup>45</sup>  
Parus ater - 18 }  
Phyll. proreg. f 18 }  
Xeria sp. - 1c, - }  
Aceris cinnabarinus - 18,100 }

(X) 7<sup>49</sup>  
Parus montanus, f 18,100 }  
Phyll. proreg. - 18,150 }  
18,200 }  
Parus ater - 18,100 }  
Phyll. progr. f 18,150 }

16 (XII) 8<sup>13</sup>

Dugtl. pror. - 18

Dugtl. pror. [18,200]

18,250

Arces ater - 18,150

Xerxa sp. - 18,100, →?

Nucif. car. - 10,200

16 (XII) 8<sup>32</sup>

Dugtl. pror. [18,60]

18,100

18,200

Tarsiger cyanurus - 18,200

Island Tawskiq

16 (XII) 1. ab, 4      3. ab, 5

2. ab, 3      4. ab, 7

H 18 Sky 10

ab 5 D 88 So 5 ab 2

g w f lo 4 Vac 40 EP 10 u 30

15 (XI) 1. o      3. ab, 5      5. ab, 13

2. ab, 6      4. ab, 10

H 19 Sky 15

P 10 3 So 7 C 10 2 ab 88

g 20 f 50 Vac 20 EP 3 u 7

74 (X) 1.0 3. Abt, 8 5. Pic, w  
2. Ab, 3 4. Ab, 2

H 2. Sky 15

Psb 5 Abt 2 Sor 8 Abt 4 Pcs Ab 20 86  
g 15 Vac 30 ll 2 215 f 48

73 (X) 1. Ab, 5 3.0 5. Ab, 5  
2. Sor, 3 4. Sor, 3

H 20 Sky 15

Pcs 5 Sor 8 Abt 1 Psb 1 Ab 85  
g 20 Vac 20 ll 10 w 1 E 1 f 49

72 (VII) 1. Ab, 8 3. Sor, 2 5.0  
2. Psb, 6 4. Abt, 13

H 2. Sky 15

Sor 5 Abt 14 Psb 1 Abt 1 Ab 79

g 45 f 40 w 5 ll 5 Vac 5

71 (VII) 1. Ab, 11 3. Ab, 6 5. Sor, 5  
2. Sor, 7 4.0

H 20 Sky 15

Sor 2 Abt 30 Pcs Ab 60

ll 2 w 2 g : f = 96/2

70 (VI) 1.0 3.0 5.0  
2. Ab, 5 4. Abt, 15

H 18 Sky 15

Abt 20 Sor 5 Ab 85

g 35 f 15 w 20 ll 15 Vac 15

69 (X) 1. Sor, 4 3. Ab, 6 5. Ab, 4  
2. Ab, 6 4.0

H 18 Sky 15

Ab, 90 Abt 5 Sor 5

g 30 f 30 w 25 Vac 10 ll 5

68 (X) 1. Ab, 3 3. Ab, 3 5. Sor, 3  
2. Ab, 4 4.0

H 16 Sky 10

Abt 5 Sor 8 Pic 2 Ab 85

g 20 f 20 w 20 Vac 20 ll 20

A lot of small Abies (h=1.5-3-5 m)

67 (III) 1. Ab, 5 3. Ab, 3 5. Ab, 12  
2. 0 4. Ab, 3

H 19 Sky 20

Abt 2 Sor 4 Abt 2 Pic 2 Ab 90

g 20 f 41 w 10 Vac 1 ll 30

-4-4-4-

66 (I) 1. Ab, 6 3. Ab, 2 5. Ab, 4  
2. 0 4.0

H 20 Sky 20

Pics Bet Sors Pic #85  
gd5 f25 - at Vat 10 m 10 llx5  
- a - -

65 (1) 1. Ab. 3 3. Ab. 4 5. Ab. 3  
2. Ab. 2 4. Ab. 6  
H17 Sky 20  
Ab 60 Bet 30 Ab 3 Sors 3 Aic 2 Sal 2  
gd20 f60 u10 ll10  
steep slope, some Salix of river  
Scamiaha, more shrubbery, it is wet.

25/VI Right bank, Betula forest  
against vil. Phouka

7 (1) 6<sup>05</sup>  
Nex. sp. - 1c, →

Phyll. proreg. - 1s, 150  
Pythula sp. - 1c, 150  
Pareus aler - 1s, 100  
Cercidis canoune - 1s, 100

8 (1) 6<sup>25</sup>  
Veronica cyanus - 1s  
S. Tha europ. - 1e

Dusc. cyanus - 1s, 70  
Wild. migrans - 1c, 100

19 (1) 6<sup>40</sup>  
Dusc. cyanus - 1s  
Phyll. proregulus fls

Fring. coelebs - 1s, 70  
Dusc. cyanus - 1s, 100

50 (1) 6<sup>55</sup>

Fring. coelebs fls, 100  
Dusc. cyanus fls, 80  
fls, 100  
Phyll. proreg. - 1s, 150

7<sup>10</sup> (V)

Nusc. cyane - 1s

Nusc. cyane f 1s, 150

Phyll. praegeetus - 1s, 300

7<sup>22</sup> (VI)

Frug. coerulea - 1s

Phyll. praegeetus - 1s, 100

Frug. montifl. - 1s, 150

Nusc. cyane f 1s, 150

7<sup>33</sup> (VII)

Parus atter - 1s

Circul. caerulea - 1s, 500

Frug. montifl. - 1s, 200

Phyll. praege. - 1s, 100

7<sup>45</sup> (VIII)

S. f. eur. - 1 broad/ad. juv

Frug. montifl. f 1s, 100

Nusc. cyane - 1s, 70

8<sup>1</sup> (IX)

Frug. montifl. - 1s

Phyll. hockelodes - 1s, 80

Phyll. circ. praege. - 1s

Circul. caerulea - 1s, 200

Nusc. cyane f 1s

Kerl. obscurus - 1s, 100

Phyll. praege. - 1s, 200

Parus atter - 1s, 100

8<sup>17</sup> (X)

Circul. caerulea f 1s, 100

Nucif. caryocat. - 1c, 100

Frug. montifl. - 1s, 200

Parus atter f 1s, 801/?

wl Phonka

(X) 1 Bet, 7 3. Bet, 5  
86 2. ab, 3 4. Pop, 11  
H 23 Shy 10Bet 35 ab 25 Sor 5 Pop 35  
g 25 f 50 u 5 ll 20~~Large trees~~ 1 layer - Betula;~~Large trees~~ 2nd layer - Abiesabies is only in  
second and third  
layers but thick  
as a rule(IX) 1. 0 3. ab, 2 5. ab, 3  
2. ab, 2 4. ab, 2

H 25 Shy 5

Bet 20 ab 65 Pop 10 Sor 65

g 22 f 50 Pop 25 u 13

— 4 —

(VIII) 1. ab, 2 3. 0 5. ab, 3

2. Bet, 19 4. Bet, 7

H 22 Shy 15

ab 50 Bet 50 Pop 30

g 60 f 30 ll 60

— 4 —

(vii) 1. ab. 2 3. Pop. 17 5. ab. 4

2. Pop. 17 4. ab. 3  
H 23 Sky 10

Bet 30 Pop 30 ab. 40

g 30 u 5 f 40 ll 20 vac 5

-u-u-

(vi) 1. Bet. 4 3. ab. 2 5. ab. 3

2. Bet. 6 4. ab. 2  
H 21 Sky 10

Bet 39 ab. 30 Pop 30 Sor 1

g 40 f 40 ll 20 x 20

-u-u-

(v) 1. ab. 4 3. Bet. 3 5. Bet. 5

2. Bet. 4 4. 0  
H 11 Sky 15

Bet 50 ab. 20 Pop 25 ab. 25

g 25 vac 20 ll 15

~~steep slope~~ -u-u- (+ steep slope)

(iv) 1. Pop. 4 3. ab. 2 5. Bet. 10

2. Bet. 3 4. Bet. 9  
H 17 Sky 10

Bet 50 Pop 40 ab. 40

g 30 vac 40 ll 10 f 20

-u-u-

(iii) 1. ab. 3 3. 0 5. ab. 4

2. ab. 3 4. ab. 4  
H 20 Sky 20

ab. 35 ab. 25 Bet 40 Pop 20 Sor 3 Pic 2

g 25 f 25 ll 25 vac 25 —————

(ii) 1. Pop. 12 3. Bet. 10 5. ab. 4

2. Pop. 12 4. Bet. 15  
H 23 Sky 10

Bet. 40 Pic 15 Pop 20 ab. 40

g 50 f 40 eq 40 ll 30

(i) 1. Pic. 4 3. Pop. 10 5. Bet. 3

2. Pop. 60 4. Bet. 6  
H 19 Sky 15

Bet 40 Pop 40 Pic 20 ab. 24 ab. 24

g 60 ll 30 eq 40

-u-u- (+ steep slope)

26/4  
Island near v.d. Phouka  
Flat plain; 30 m along the  
Eisay.

- |  |   |
|--|---|
| <p>(i) 6<sup>42</sup><br/>Acc. dumet. - 1♂<br/>Phyll. baccalis - 1♂</p> <p>(ii) 6<sup>59</sup><br/>Xusc. calliope - 1♂<br/>Regithalos caudatus - 1 pair<br/>Phyll. collyb. - 1♂</p> <p>(iii) 7<sup>4</sup><br/>Xusc. calliope - 1♂<br/>Syl. form. - 1♂<br/>Phyll. inornatus - 2♂</p> | <p>Syl. form. - 1♂, 70<br/>Circus caucasicus - 1♂, 500<br/>Phyll. collyb. - 1♂, 100</p> <p>Syl. form. [1♂, 100]<br/>Circus caucasicus - 1♂, 100</p> <p>Phyll. coll. - 1♂, 70<br/>Circus caucasicus - 1♂, 100<br/>Pyrrhula sp. - 1♂, 100<br/>Bendrocop. maj. - 1♂, 70<br/>Turd. philomelos - 1♂, 100<br/>Aeroceph. elutus torqu. - 1♂, 100<br/>Fringill. coelebs - 1♂, 150<br/>Syl. caerulea - 1♂, 100</p> |
|--|---|

- |   |  |
|---|--|
| <p>(iv) 7<sup>30</sup><br/>90 Phyll. coll. - 1♂</p> <p>91</p> | <p>Circul. canor. [1♂, 500]<br/>[1♂, 100]<br/>[1♂, 1000]</p> <p>Phyll. coll. - 1♂, 100<br/>Phyll. inornat. - 1♂, 100<br/>Pyrrhula sp. - 1♂, 100</p> <p>Circul. caucasicus [1♂, 500]?</p> <p>Dendrocop. maj. - 1♂, 80<br/>Phyll. collyb. - 1♂, 70<br/>Faleo subluteo - 1♂, 70<br/>Syl. form? - 1♂, 200</p> <p>Circul. caucasicus [1♂, 500]<br/>[1♂, 400]?</p> <p>[1♂, 200]</p> <p>Phyll. coll. - 1♂, 100<br/>Fring. montif. - 1♂, 100<br/>Syl. caerulea - 1♂, 200</p> |
| <p>92</p>   | <p>Syl. form. - 1♂</p> <p>Troglodytes ochropygia - 1♂, →</p>   |

(VI) 8<sup>18</sup>

Cornus coronata - 1 pair  
93

Syli. form Ts, 150  
 Cercid. canescens Ts, 150  
 Phyll. coll. - Ts, 150  
 Acoroceph. danet. - Ts, 80  
 Cucul. canescens Ts, 1000 ft?

(VII) 1. Bel., 2 3. Sal., 4 5.0  
93 2. Al., 3 4. 0

H 20 Sky 20

Pop 25 Bet 45 Bel 15 Al 25 Sal 15 Bz 5  
f 50 g 40 ll 40

(VIII) 1. Pop, 11 3. Pop, 4 5. Pop, 13  
92 2. Pop, 16 4. Pop, 12

H 17 Sky 25

Pop 40 Bel 20 Sal 5 Bz 5 Bet 5 Al 25

ll 5 g = f = 95/2

(IX) 1. 0 3. Bel., 3 5. Bet., 10

2. Bel., 3 4. Bet., 15

H 22 Sky 20

Bel 30 Al 15 Sal 15 Bet 30 Pop 5 Al 5

(X) 1. 0 3. 0 4. 0 5. 0

ll 10 g = f = 45

(XI) 1. 0 3. Bet., 7 5. Bel., 3  
2. Pop, 15 4. Bz, 2

H 23 Sky 20

Pop 30 Bet 20 Al 25 Bel 25 Al 5 Bz 5 Sal 21  
g 50 f 50 ll 21

(XII) 1. 0 3. Bel., 3 5. 0  
39 2. 0 4. Sal., 3

H 23 Sky 25

Sal 20 Bel 20 Bet 20 Pop 20 Al 15 Bz 5  
g 20 f 30 ll 21

(XIII) 1. 0 3. 0 5. Sal., 3

2. 0 4. Bel., 3

H 17 Sky 20

Sal 25 Bel 25 Pop 40 Bz 5 Al 5  
g 20 f 30

(XIV) 1. Sal., 4 3. Sal., 6 5. Sal., 2  
2. Sal., 4 4. Bel., 2

H 6 Sky 20

Sal 50 Al 25 Bel 25  
f 20 ll 5 ws g 20

28/VI left bank, taiga

① 5<sup>53</sup>

Cornus corax - 1

Cornus corone - 1

94

Phyll. proreg. - 18,100

18,300

Nuc. sibil. - 18,150

Fring. montif. - 18,200

Cercl. canorus - 18,100

Parus mount. - 18,200

95

② 6<sup>14</sup>

Phyll. proreg. [18]

Par. mount. - 18

Sitta europ. - 1c

Phyll. proreg. - 18,100

18,400

Cercl. canorus [18,500] V?

Nuc. caryocat. - 18,300

Nuc. sibilans - 18,500

Phyll. proreg. lies - 18,

Cercl. saterat. - 18,1000

Sit. europ. - 1c,100

96

③ 6<sup>27</sup>

Phyll. proreg. [18]

Nucif. caryocat. - 1c

Phyll. proreg. - 18,150

~~Nucif. caryocat.~~ [18,150] V?

18,200

Cercl. sater. [18,1000]

Parus mount. - 18,200

Cercl. canorus [18,100]

Phyll. proreg. - 18,200

18,300

[18,150]

Sit. europ. - 1c,70

Parus mount. - 18,100

97

④ 6<sup>43</sup>

Sitta europ. - 1c

98

⑤ 6<sup>58</sup>

Phyll. proreg. - 18

Phyll. proreg. - 18,70

[18,150] V?

Cercl. sater. [18,1500] V?

Cercl. canorus [18,1500] V?

99

⑥ 7<sup>13</sup>

Phyll. proreg. - 18

Phyll. proreg. - 18,200

Par. ates - 18,600

V?

Cercl. canorus [18,1000] V?

Phyll. proreg. [18,200] V?

Parus mount. - 1c,150

(iv) 2.0 3. ab.7 5.0  
2. Sor.4 4. ab.3

H 20 Sky 20

Pic 20 Ab 20 Sor 20 Bch 1 Bet 20 Psb 20

g 20 f 15 u 20 ll 15 Vac 20 Eq 20

(v) 2. ab.4 3. Pic.18 5 ab.10  
2. ab.8 4. 0

H 20 Sky 15

Ab 35 Sor 20 Pic 20 Bet 20 Psb 5

g 20 f 15 Eq 20 Vac 5 u 10 ll 10

(vi) 2.0 3. ab.4 5. ab.10  
2. Bet.2 4. Sor.3

H 21 Sky 10

Ab 40 Sor 20 Pic 15 Psb 5 Bet 20

g 20 f 15 Eq 20 Vac 5 u 30 ll 20

(vii) 2. ab.4 3. 0 5. 0

2. ab.2 4. 0

H 21 Sky 20

Ab.40 Sor 20 Pic 15 Bet 20 Vac 5

g 5 Eq 30 f 10 Vac 5 u 40 ll 40

(viii) 2. ab.2 3. ab.4 5. 0

2.0 4. ab.4

H 20 Sky 20

Ab 35 Bet 15 Sor 25 Psb 15 Pic 20

g 20 f 20 Eq 40 ll 15 u 20 Vac 5

(ix) 2.0 3. Sor.5 5. Pic.20

2. ab.5 4. 0

H 23 Sky 20

Ab 30 Sor 20 Bet 30 Pic 20 Psb 20

g 30 Vac 20 Eq 20 f 20 ll 10 u 40

① 5<sup>17</sup>  
100

2/5 Right bank, east of Kasarskiy, 105  
Betula forest.

{ Acanthis hyperleuca - 1c, 150

② 5<sup>30</sup>

Fring. montif. - 1cm } Dryop. martini - 1c, 100

③ 5<sup>45</sup>

Deadwood major - 1or }  
Xorio sp - 1c, →

④ 5<sup>59</sup>

103 Parus ater - 1pair, com } Phyll. proreg. - 1s, 100  
|  
| Parus ater - 1s } Parus ater - 1c, 200  
|  
Parus ater - 1s } Fr. coelebs - 1s, 100

⑤ 6<sup>28</sup>

104 Fring. montif. - 1s, ? } Parus ater - 1s, 150  
Phyll. proreg. f 1s/l? } Fr. coelebs - 1s, 200  
Parus ater - 1s } Nuc. caryoc. - 1c, 300  
|  
Phyll. proreg. - 1s, 200

⑥ 6<sup>41</sup>

Fring. coelebs - 1s  
Parus montanus - 1s

{ Fring. montif. - 1s, 100  
Phyll. proreg. - 1s, 200  
Xasiccia cayana - 1s, 150  
Parus ater - 1s, 70  
Parus ater - 1s, 100

106

⑦ 7<sup>11</sup>

Xorio sp. - 1c, →  
Sitt. europ. - 1c }  
Par ater →

{ Fring. coelebs - 1s, 60  
Par ater [ 1s, 100 ]  
Sitt. europ. - 1c, 60  
Xusc. cayana - 1s, 100  
Fring. coelebs - 1s, 60

[ 1s, 150 ]  
[ 1s, 150 ]

Fring. montif. - 1s

Sitt. europ. - 1c, 70  
Tar. obscurus - 1s, 70

107 ⑧ 7<sup>25</sup>

Sitt. europ. - 1c

{ Phyll. proreg. - 1s, 100  
Zoothera albonota - 1s, 1000  
Fring. montif. f 1s, 200/l? }  
Xusc. cayana [ 1s, 300 ]  
[ 1s, 100 ]  
Fr. coelebs f 1s, 100/l?

(K) 7<sup>40</sup>  
108 Nusc. cayae [T8]

Dendroc. uraj - 1fr, 70  
Nusc. cayae - 1s, 100  
Xoria sp - 1c, 100, →  
Sitta europ - 1c, 60

(K) 7<sup>53</sup>  
108

Bleyll praeq - 1s, 100  
1s, 200  
Fring. leuwt. - 1s, 150  
Nusc. cayae [T8, 150]  
S. f. europ - 1c, 80  
Sp. leus sp. cens - 1c, 70, →

(D) 1. Ab, 4      3. Pop, 15      5. Ab, 3  
2. Pop, 10      4. Ab, 3

H 20 Sky 10

Ab 80 Bet 14 Pop 5 Sor 1

g 33 f 33 Pop 33 Eq 1

~~Det. ac. det.~~ I layers - Betula, Populus  
Abies, Souley in II-III  
~~water rotolu 6-7, typical~~ layers, but sometimes thick,

(IX) 1. Pop, 13      3. Ab, 1      5. 0

2. Bet, 15      4. Ab, 2

H 23 Sky 10

Ab 19 Blt 30 Pop 40 Sor 2  
f 20 Pop 10 Vac 5 g 65  
- - -

(VII) 1. Ab, 2      3. Ab, 3      5. Ab, 3  
2. Ab, 2      4. Sor, 7

H 23 Sky 10

Ab 60 Blt 34 Sor 1 Pop 5  
f 40 41 g 80 H 19  
- - -

(VI) 1. 0      3. 0      5. Sor, 3  
2. Sor, 2      4. Ab, 4

H 20 Sky 15

Bet 40 Ab 50 Sor 8 Pice, Pop 1  
f 60 g 35 H 15  
- - -

(V) 1. Bet, 10      3. Ab, 4      5. Ab, 15  
2. 0      4. Ab, 4

H 21 Sky 10

Ab 40 Bet 50 Pice Sor 5  
g 50 f 30 aus H 10 Eq 5  
- - -

(IV) 1. Sor, 6      3. 0      5. Bet, 10  
2. Pop, 12      4. Ab, 2

flowered salaparagon. This is an example

H<sub>21</sub> Sky 15  
Ab 30 Bet 40 Sor 5 Pop 30  
f 25 Pops g 20  
- - -

⑩ 1. Ab, 3 3. Ab, 3 5. Ab, 5  
2. Pop, 13 4. Pop, 9  
H<sub>23</sub> Sky 15  
Bet 20 Ab 19 Sor 1 Pop 60  
g 20 f 75 ll 5  
- - -

⑪ 1. Sor, 4 3. Pop, 15 5. Bet, 15  
2. Pop, 12 4. Pop, 10  
H<sub>23</sub> Sky 10  
Bet 23 Ab 2 Sor 10 Pop 65  
g 95 ll 5

~~more species seen~~  
Clean Betula-Populus forest almost without Abies

⑫ 1. Pop, 10 3. Sor, 2 5. Pop, 10  
2. Pop, 15 4. Bet, 2  
H<sub>21</sub> Sky 10  
Pop 65 Bet 13 Ab 1 Sor 10 Bet 10  
g 80 Eg 20 ll 5

⑬ 1. Pop, 17 3. Pop, 15 5. Bet, 4  
2. Pop, 15 4. Pop, 10  
H<sub>23</sub> Sky 10  
Pop 60 Bet 30 Sor 8 Ab 1 Bet 1  
g 20 ll 20  
- - -

Matching:

- 6. Both alleles are expressed in the heterozygote
  - 7. Two or more genes with additive effect
  - 8. Single gene with multiple phenotypic effects
  - 9. Proportion of individuals that express a trait
  - 10. One gene masks the expression of another gene
- a. expressivity
  - b. autotrophy
  - c. age-linked
  - d. both a and b
  - e. all of the above
  - f. phenocopy
  - g. dihybrid cross
  - h. test cross
  - i. lethal recessive
  - j. penetrance
  - k. incomplete dominance

Russ Greenberg

202-673-4908

H21 Sky 13  
Ab 30 Bet 40 Sor 5 Pop 30  
f 25 Aps 5 g 70  
- 4 -

103 (iv) 1. Ab, 3 3. Ab, 3 5. Ab, 5  
2. Pop, 13 | 4. Pop, 9  
H 23. Sky 15  
Bet 20 Ab 19 Sor 1 Pop 60  
g 70 f 75 ll 5  
- 4 -

102 (v) 1 Sor, 4 3. Pop, 15 5 Bet, 15  
2. Pop, 12 | 4. Pop, 10  
H 23 Sky 10  
Bet 23 Ab 2 Sor 10 Pop 65  
g 95 ll 5

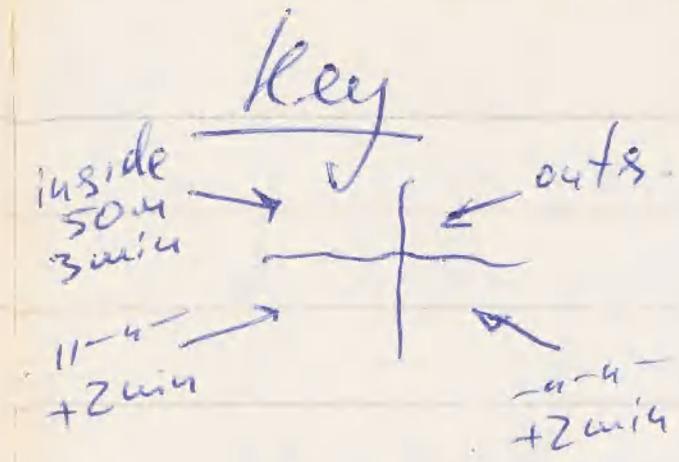
~~Clean Betula-Picea forest almost without Abies~~

(vi) 1. Pop, 10 3. Sor, 2 5. Pop, 10

2. Pop, 15 4. Beh, 2  
H 21 Sky 10  
Pop 65 Bet 13 Ab 1 Sor 10 Beh 10  
g 80 E 20 ll 5

100 (i) 1. Pop, 17 3. Pop, 15 5. Bet, 4  
2. Pop, 15 4. Pop, 10  
H 23 Sky 10  
Pop 60 Blt 30 Sor 8 Ab 1 Beh 1  
g 80 , ll 20  
- 4 -

- h - h -



Scientific name - by Cremar H. 1990 / Karanor uses CCCP

1s - 1 singing bird, or

1c - 1 calling bird

2s - 2 different birds (singing or or)

2c - a-a-a-a-

2+c - 2 birds, which are together (may be pair, may be not)  
cc - calls of some birds

1t - 1 bird (I saw)

2+ (3+...) - birds, which are together, I saw

1or - I saw or (but we sing.)

1tr - trills of 1 *Dendrocopos* / *Picoides*, *Drycop*,

→ fly fly

2 - fly around us

sp. (for example, *Loxia* sp.). I don't know  
the species

2± (3±...) - may be together (pair, group),  
may be - not

lcon (pair, con) - bird is worried (pair is ...)

(50m?) - I don't know exactly the bird is  
inside or outside

18, 60 - distance to singing bird ≈ 60m  
(begin to wake from 13/VI)

18, 60 - the bird a song 14 points  
<sup>time not sure that I heard this bird.</sup> before from 13/VI  
→ the bird fly from outside to  
inside

al/al - Alnus or Alnaster

al - Alnus

aln - Alnaster

psv - Pinus sylvestris

psb - Pinus sibiricus

pic - Picea

ab - Abies

bet - Betula

pop - Populus tremula

bch - Bird cherry

sal - Salix

xar - Xanthoxylum

sor - Sorbus

bz (bys) - byzana (Sambucus)

dg - dry grass

ll - leave litter

gr - grass

var - vaross

w - water

eq - Equisetum

f - fir

vac - Vaccinium

for example: geol 20 f 70 = %

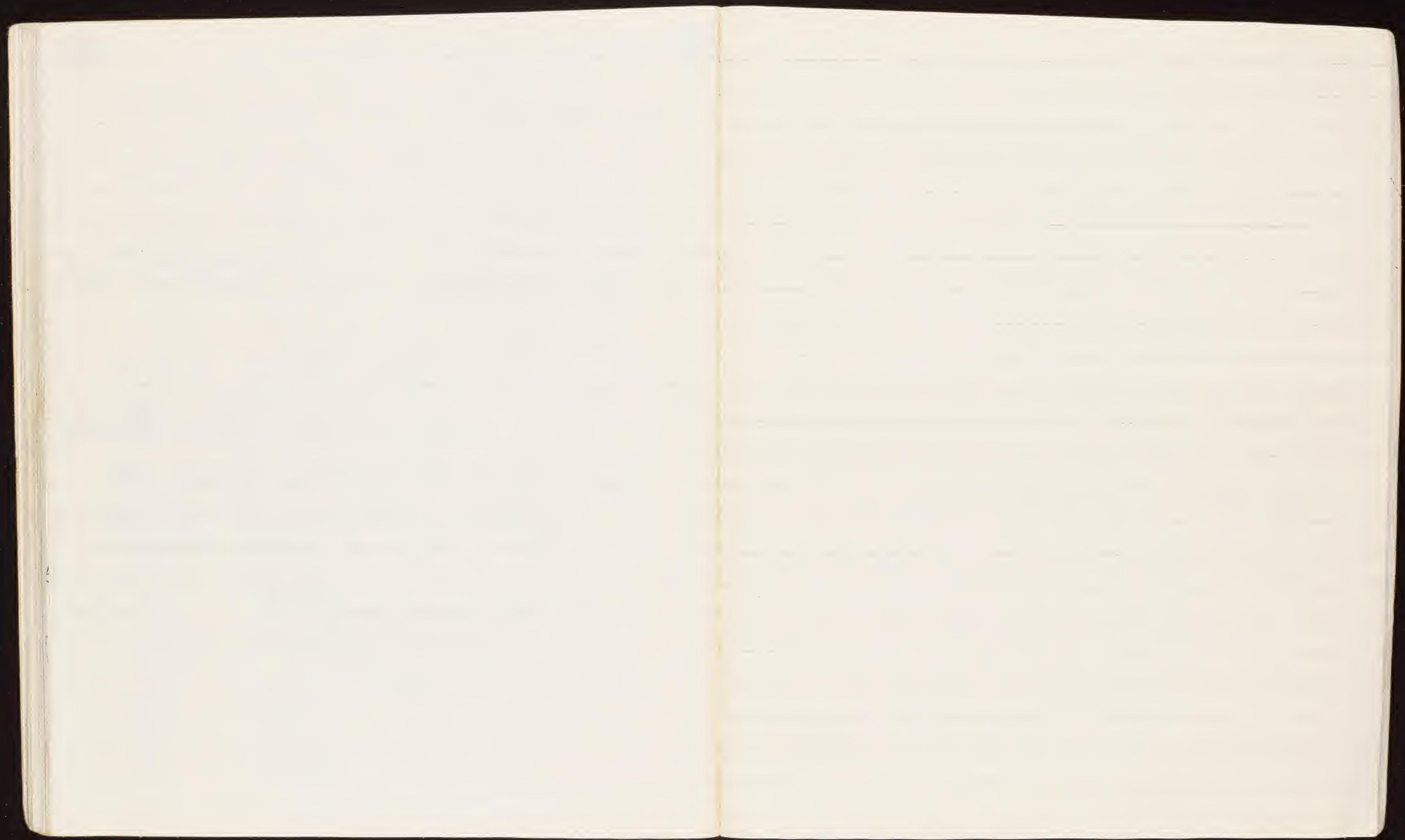
w70(g30 ll 40) - under the water

\* grass : eq, f, vac and other small green  
plants - 7/VI, 9/VI, 13/VI, 16/VI, 18/VI  
Then - begin to ~~differ~~ distinguish

\* In the first point count (7/VI)

Used gaps within canopy outline of  
tree - part of "gap"

⑤



*Corvus corone* - CORCOR

corvat

CORCOX

